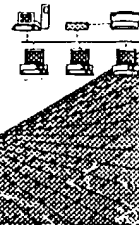


Collins, Cynthia

RE-RUN

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,496C

Source: _____

Date Processed by STIC: _____

1600
1/16/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/674,496C</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,496C

DATE: 01/16/2004

TIME: 09:01:35

Input Set : A:\199463USOXPCT.txt

Output Set: N:\CRF4\01162004\I674496C.raw

3 <110> APPLICANT: BERNARD, DELOBEL
 4 ANNIE, GRENIER
 5 JACQUES, GUEGEN
 6 ERIC, FERRASSON
 7 MBAIGUINAM, MBAILAO
 9 <120> TITLE OF INVENTION: USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS
 INSECTICIDE
 11 <130> FILE REFERENCE: 199463USOXPCT
 13 <140> CURRENT APPLICATION NUMBER: US 09/674,496C
 14 <141> CURRENT FILING DATE: 2001-01-11
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01085
 17 <151> PRIOR FILING DATE: 1999-05-07
 19 <150> PRIOR APPLICATION NUMBER: FR 98/05877
 20 <151> PRIOR FILING DATE: 1998-05-11
 22 <160> NUMBER OF SEQ ID NOS: 8
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 70
 28 <212> TYPE: PRT
 29 <213> ORGANISM: ARTIFICIAL SEQUENCE
 32 <220> FEATURE:
 33 <221> NAME/KEY: MISC_FEATURE
 34 <222> LOCATION: (1)..(10)
 35 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
 38 <220> FEATURE:
 39 <221> NAME/KEY: MISC_FEATURE
 40 <222> LOCATION: (12)..(16)
 41 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
 44 <220> FEATURE:
 45 <221> NAME/KEY: MISC_FEATURE
 46 <222> LOCATION: (18)..(27)
 47 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
 50 <220> FEATURE:
 51 <221> NAME/KEY: MISC_FEATURE
 52 <222> LOCATION: (29)..(38)
 53 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
 56 <220> FEATURE:
 57 <221> NAME/KEY: MISC_FEATURE
 58 <222> LOCATION: (40)..(43)
 59 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
 62 <220> FEATURE:
 63 <221> NAME/KEY: MISC_FEATURE
 64 <222> LOCATION: (45)..(59)
 65 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT

needs exploration in 2207-2237 section. See item 11 on Encl summary sheet.

RAW SEQUENCE LISTING

DATE: 01/16/2004

PATENT APPLICATION: US/09/674,496C

TIME: 09:01:35

Input Set : A:\199463USOXPCT.txt

Output Set: N:\CRF4\01162004\I674496C.raw

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68 <220> FEATURE:
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70 <222> LOCATION: (61)..(70)
71 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID, AND ONE OR MORE X MAY BE ABSENT
74 <400> SEQUENCE: 1
W--> 76 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
77 1 5 10 15
80 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
81 20 25 30
84 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
86 35 40 45
89 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
91 50 55 60
94 Xaa Xaa Xaa Xaa Xaa Xaa
95 65 70
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 7
100 <212> TYPE: PRT
101 <213> ORGANISM: ARTIFICIAL SEQUENCE
103 <220> FEATURE:
104 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
106 <220> FEATURE:
107 <221> NAME/KEY: MISC_FEATURE
108 <222> LOCATION: (1)..(1)
109 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
110 nine
113 <220> FEATURE:
114 <221> NAME/KEY: MISC_FEATURE
115 <222> LOCATION: (2)..(2)
116 <223> OTHER INFORMATION: X is proline
119 <220> FEATURE:
120 <221> NAME/KEY: MISC_FEATURE
121 <222> LOCATION: (6)..(6)
122 <223> OTHER INFORMATION: X is proline
125 <220> FEATURE:
126 <221> NAME/KEY: MISC_FEATURE
127 <222> LOCATION: (7)..(7)
128 <223> OTHER INFORMATION: X is proline
131 <220> FEATURE:
132 <221> NAME/KEY: MISC_FEATURE
133 <222> LOCATION: (3)..(3)
134 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
tyro
135 sine
138 <220> FEATURE:
139 <221> NAME/KEY: MISC_FEATURE
140 <222> LOCATION: (4)..(4)
141 <223> OTHER INFORMATION: X is an amino acid chosen from aspartic acid or glutamic
acid
144 <220> FEATURE:
145 <221> NAME/KEY: MISC_FEATURE

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RAW SEQUENCE LISTING

DATE: 01/16/2004

PATENT APPLICATION: US/09/674,496C

TIME: 09:01:35

Input Set : A:\199463USOXPCT.txt

Output Set: N:\CRF4\01162004\I674496C.raw

146 <222> LOCATION: (5)..(5)
 147 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 148 thionine
 151 <400> SEQUENCE: 2
 W--> 153 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 154 1 5
 157 <210> SEQ ID NO: 3
 158 <211> LENGTH: 4
 159 <212> TYPE: PRT
 160 <213> ORGANISM: ARTIFICIAL SEQUENCE
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 165 <220> FEATURE:
 166 <221> NAME/KEY: MISC_FEATURE
 167 <222> LOCATION: (2)..(2)
 168 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
 threo
 169 nine
 172 <220> FEATURE:
 173 <221> NAME/KEY: MISC_FEATURE
 174 <222> LOCATION: (4)..(4)
 175 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 176 e, aspartic acid and glutamic acid
 179 <220> FEATURE:
 180 <221> NAME/KEY: MISC_FEATURE
 181 <222> LOCATION: (3)..(3)
 182 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 183 e and a basic residue
 186 <220> FEATURE:
 187 <221> NAME/KEY: MISC_FEATURE
 188 <222> LOCATION: (1)..(1)
 189 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine,
 threonin
 190 e and a basic residue
 193 <400> SEQUENCE: 3
 W--> 195 Xaa Xaa Xaa Xaa
 196 1
 199 <210> SEQ ID NO: 4
 200 <211> LENGTH: 9
 201 <212> TYPE: PRT
 202 <213> ORGANISM: ARTIFICIAL SEQUENCE
 204 <220> FEATURE:
 205 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
 207 <220> FEATURE:
 208 <221> NAME/KEY: MISC_FEATURE
 209 <222> LOCATION: (1)..(1)
 210 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
 and me
 211 thionine
 214 <220> FEATURE:

215 <221> NAME/KEY: MISC_FEATURE
216 <222> LOCATION: (3)..(3)

RAW SEQUENCE LISTING

DATE: 01/16/2004

PATENT APPLICATION: US/09/674,496C

TIME: 09:01:35

Input Set : A:\199463USOXPCT.txt

Output Set: N:\CRF4\01162004\I674496C.raw

217 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

218 thionine

221 <220> FEATURE:

222 <221> NAME/KEY: MISC_FEATURE

223 <222> LOCATION: (2)..(2)

224 <223> OTHER INFORMATION: X is proline

227 <220> FEATURE:

228 <221> NAME/KEY: MISC_FEATURE

229 <222> LOCATION: (4)..(4)

230 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and threo

231 nine

234 <220> FEATURE:

235 <221> NAME/KEY: MISC_FEATURE

236 <222> LOCATION: (8)..(8)

237 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and threo

238 nine

241 <220> FEATURE:

242 <221> NAME/KEY: MISC_FEATURE

243 <222> LOCATION: (6)..(6)

244 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine, methi

245 onine, phenylalanine, tryptophan and tyrosine

248 <220> FEATURE:

249 <221> NAME/KEY: MISC_FEATURE

250 <222> LOCATION: (9)..(9)

251 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and tyro

252 sine

255 <220> FEATURE:

256 <221> NAME/KEY: MISC_FEATURE

257 <222> LOCATION: (5)..(5)

258 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

259 thionine

262 <220> FEATURE:

263 <221> NAME/KEY: MISC_FEATURE

264 <222> LOCATION: (7)..(7)

265 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

266 thionine

269 <400> SEQUENCE: 4

W--> 271 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

272 1 5

275 <210> SEQ ID NO: 5

276 <211> LENGTH: 5

277 <212> TYPE: PRT

278 <213> ORGANISM: ARTIFICIAL SEQUENCE

280 <220> FEATURE:

281 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE

283 <220> FEATURE:

284 <221> NAME/KEY: MISC_FEATURE

285 <222> LOCATION: (1)..(1)

286 <223> OTHER INFORMATION: X is a basic amino acid or an amino acid chosen from valine,
leuc

RAW SEQUENCE LISTING

DATE: 01/16/2004

PATENT APPLICATION: US/09/674,496C

TIME: 09:01:35

Input Set : A:\199463USOXPCT.txt

Output Set: N:\CRF4\01162004\I674496C.raw

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287      ine, isoleucine and methionine
290 <220> FEATURE:
291 <221> NAME/KEY: MISC_FEATURE
292 <222> LOCATION: (2)..(2)
293 <223> OTHER INFORMATION: X is asparagine or glutamine or a basic amino acid
296 <220> FEATURE:
297 <221> NAME/KEY: MISC_FEATURE
298 <222> LOCATION: (3)..(3)
299 <223> OTHER INFORMATION: X is proline
302 <220> FEATURE:
303 <221> NAME/KEY: MISC_FEATURE
304 <222> LOCATION: (4)..(4)
305 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
306      nine
309 <220> FEATURE:
310 <221> NAME/KEY: MISC_FEATURE
311 <222> LOCATION: (5)..(5)
312 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
313      nine
316 <400> SEQUENCE: 5
W--> 318 Xaa Xaa Xaa Xaa Xaa
319 1      5
322 <210> SEQ ID NO: 6
323 <211> LENGTH: 37
324 <212> TYPE: PRT
325 <213> ORGANISM: ARTIFICIAL SEQUENCE
327 <220> FEATURE:
328 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
330 <400> SEQUENCE: 6
332 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
333 1      5      10      15
336 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
337      20      25      30
340 Arg Asn Pro Ser Gly
341      35
344 <210> SEQ ID NO: 7
345 <211> LENGTH: 37
346 <212> TYPE: PRT
347 <213> ORGANISM: ARTIFICIAL SEQUENCE
349 <220> FEATURE:
350 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
352 <400> SEQUENCE: 7
354 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
355 1      5      10      15
358 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
359      20      25      30
362 Arg Asn Pro Ser Gly
363      35
366 <210> SEQ ID NO: 8

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,496C

DATE: 01/16/2004
TIME: 09:01:36

Input Set : A:\199463USOXPCT.txt
Output Set: N:\CRF4\01162004\I674496C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,18,19,20,21,22,23,24
Seq#:1; Xaa Pos. 25,26,27,29,30,31,32,33,34,35,36,37,38,40,41,42,43,45,46
Seq#:1; Xaa Pos. 47,48,49,50,51,52,53,54,55,56,57,58,59,61,62,63,64,65,66
Seq#:1; Xaa Pos. 67,68,69,70
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7
Seq#:3; Xaa Pos. 1,2,3,4
Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:5; Xaa Pos. 1,2,3,4,5